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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/601,872	06/24/2003	Won-Bong Choi	030681-521	1325		
21839	7590 12/28/2005		EXAM	EXAMINER		
	N INGERSOLL PC	YUAN, DAH WEI D				
	G BURNS, DOANE, SWEG SE BOX 1404	CKER & MATHIS)	ART UNIT	PAPER NUMBER		
	IA, VA 22313-1404		1745			
			DATE MAIL ED. 12/29/200	DATE MAIL ED. 12/29/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)	
		10/601,872	CHOI ET AL.	
	Office Action Summary	Examiner	Art Unit	
		Dah-Wei D. Yuan	1745	
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address	
WHIC - Exter after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATES on STATE of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tirr vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. lely filed the mailing date of this communicatio D (35 U.S.C. § 133).	
Status				
1)□ 2a)□ 3)□	Responsive to communication(s) filed on This action is FINAL . 2b) This Since this application is in condition for allower closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro		s
Dispositi	on of Claims			
5)□ 6)□ 7)□ 8)⊠ Applicat i	Claim(s) 1-16 is/are pending in the application. 4a) Of the above claim(s) is/are withdray Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) 1-16 are subject to restriction and/or e on Papers The specification is objected to by the Examine The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the orange.	vn from consideration. election requirement. r. epted or b)□ objected to by the ledrawing(s) be held in abeyance. See	e 37 CFR 1.85(a).	
11)	Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Ex		•	a).
Priority ι	ınder 35 U.S.C. § 119			
a)l	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureausee the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage	
Attachmen	t(s) e of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)	
2) Notic 3) Inform	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	Paper No(s)/Mail Da		

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Art Unit: 1745

CARBON NANOTUBES FOR FUEL CELLS, METHOD FOR MANUFACTURING THE SAME, AND FUEL CELL USING THE SAME

Examiner: Yuan

S.N. 10/601,872

Art Unit: 1745

December 23, 2005

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-5,13-16, drawn to a carbon nanotubes, classified in class 313, subclass

309.

II. Claims 6-12, drawn to a method for fabricating carbon nanotubes, classified in

class 423, subclass 447.3.

The inventions are distinct, each from the other because of the following reason:

2. Inventions II and I are related as process of making and product made. The inventions

are distinct if either or both of the following can be shown: (1) that the process as claimed can be

used to make other and materially different product or (2) that the product as claimed can be

made by another and materially different process (MPEP § 806.05(f)). The nanotubes as claimed

in invention I can be fabricated by a different method that does not require the reaction between

the carbon source gas and the metallic catalyst particles.

3. Because these inventions are distinct for the reasons given above and have acquired a

separate status in the art as shown by their different classification, restriction for examination

purposes as indicated is proper.

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4. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

- 5. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dah-Wei D. Yuan whose telephone number is (571) 272-1295. The examiner can normally be reached on Monday-Friday (8:00-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick J. Ryan, can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dah-Wei D. Yuan December 23, 2005

> DAH-WEIYUAN PRIMARY EXAMINER